

Resource Summary Report

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Parabodo caudatus post-electroporation cell viability quantification using exponential decay electroporation

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Protocol Information

URL: <https://dx.doi.org/10.17504/protocols.io.hmhb436>

Authors: Fatma Gomma, Paulo A. Garcia, Jennifer Delaney, Peter R. Girguis, Cullen R. Buie, Virginia P. Edgcomb

Group: Protist Research to Optimize Tools in Genetics (PROT-G)

Summary: The process of developing transient transfection protocols in *P. caudatus* involved initial testing and determination of proper electroporation buffers and parameters (voltage strength, pulse duration and number) to maximize cell viability. Our results suggest that the type of electroporation buffer is critical for maintaining cell viability throughout the experiment and is essential for determining the optimum electric field range.

Affiliations: Woods Hole Oceanographic Institute, MIT, Harvard, Woods Hole Oceanographic Institute, MIT, Harvard, Woods Hole Oceanographic Institute, MIT, Harvard, Woods Hole Oceanographic Institute, MIT, Harvard, Woods Hole Oceanographic Institute, MIT, Harvard, Woods Hole Oceanographic Institute, MIT, Harvard

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